

Abstract of the Disclosure

Disclosed is a process for making surfactant capped nanocrystals of metal oxides which are dispersable in organic solvents. The process comprises decomposing a metal cupferron complex of the formula $M^X\text{Cup}_X$, wherein M is a metal, and Cup is a N-substituted N-Nitroso hydroxylamine, in the presence of a coordinating surfactant, the reaction being conducted at a temperature ranging from about 150 to about 400 C, for a period of time sufficient to complete the reaction. Also disclosed are compounds made by the process.

097246-11300
DOCT 92T2250